Recombinant Mouse Pank2 Protein, His-tagged

Cat. No. Pank2-1896M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pank2 Protein (Phe157-Pro443) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Phe157-Pro443
Description	Enables pantothenate kinase activity. Acts upstream of or within several processes, including coenzyme A biosynthetic process; mitochondrion morphogenesis; and spermatid development. Located in cytosol and mitochondrion. Human ortholog(s) of this gene implicated in pantothenate kinase-associated neurodegeneration. Orthologous to human PANK2 (pantothenate kinase 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35.5 kDa Accurate Molecular Mass: 36 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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	accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Pank2 pantothenate kinase 2 [Mus musculus (house mouse)]
Official Symbol	Pank2
Synonyms	PANK2; pantothenate kinase 2; pantothenate kinase 2 (Hallervorden-Spatz syndrome); AI642621; 4933409I19Rik; MGC118448;
Gene ID	74450
mRNA Refseq	NM_153501
Protein Refseq	NP_705721
UniProt ID	Q3U4S0

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